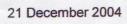
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Mr. G. Scott Hubbard Director, NASA Ames Research Center Mail Stop 200-1 Moffett Field, CA 94035

Mr. Hubbard:



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I wanted to take this opportunity before year end to express to you how grateful Boeing is for the tremendous assistance rendered by the NASA Ames Research Center to us here in Huntington Beach. Two groups in particular have been invaluable.

Tom Prevot and Ev Palmer's Airspace Operations Lab organization (with support from Richard Mogford and virtually everyone in their groups) has been uniformly professional generous, and infinitely patient in helping us establish our UAV ATM simulation capability. By providing their MACS and ADRS simulation software systems, they have enabled Boeing to begin to integrate UAVs and other advanced aircraft models in simulation. Their software has been essential to the progress made thus far, and NASA's continued development and support of these tools is vital to our immediate and long-term simulation goals in this growing arena of airspace research. We appreciate the quality and capability of these software products, and the unselfish support their developers have extended us. The group's assistance has been a model of true collaboration.

Walt Johnson and Vern Battiste's Flight Deck Display Research Lab has been similarly gracious in their support by providing us with their Cockpit Display of Traffic Information (CDTI) software for integration with our UAV ATM environment. Of critical importance is CDTI's self-separation capability. This advanced aircraft characteristic is pivotal to our concerns since UAVs may well require sel-separation for autonomous operations. Your Flight Deck display group, understanding the importance of this operational capability, has joined us in a collaborative pilot demonstration to work a joint simulation between their site and ours. This first simulation effort (slated for early 2005) will look at two surrogate UAVs flying a Homeland Security patrol mission around DFW.

Again, we wanted to formally acknowledge the impressive and critical technical assistance your people have provided to us. We look forward to continuing this relationship in the new year.

Sincerely,

Jack Dwyer, Ph.D.

Associate Technical Fellow

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